

7.19

①

The order of the cube is N (2^N nodes). So, the interconnection network can maintain $N-1$ broken links and still guarantee that there is a path to all nodes in the network.

② of 7.19

The main difference between the resiliency to failure of n -cube to a fully-connected interconnection network with the same number of nodes.

The plot below shows the number of networks, links that can fail and still guarantee that the network is not disconnected.

